

Pacific Islands - Online Climate Outlook Forum (OCOF) No. 142

Country: Kiribati

TABLE 1: Monthly Rainfall

Station (include data period)	Apr-2019	May-2019	Jun-2019				
			Total (mm)	33%tile	67%tile	Median	Rank
	Total (mm)	Total (mm)	Rainfall (mm)				
Beru (1932-2019)	576.2	235.1	193.8	50.0	113.0	75.0	59/65
Butaritari (1931-2019)	885.9	399.5	519.6	199.9	312.1	256.0	80/81
Kanton (1937-2019)				53.3	105.2	83.9	
Kiritimati (1921-2019)	190.3	116.1	110.2	22.0	89.0	54.0	73/95
Tarawa (1950-2019)	830.5	297.5	388.5	84.7	163.2	122.0	70/70

TABLE 2: Three-month Rainfall for April to June 2019

Station	Three-month Total		33%tile	67%tile	Median	Rank	SCOPIC forecast probabilities based on NINO3.4 January-February 2019				Verification: Consistent, Near- consistent, Inconsistent?
	Rainfall (mm)						B-N	N	A-N	LEPS	
Beru (1932-2019)	1005.1	Above normal	194.0	355.7	239.1	62/62	22	36	42	6	Consistent
Butaritari (1931-2019)	1805.0	Above normal	696.0	1010.0	838.9	80/80	25	32	43	5	Consistent
Kanton (1937-2019)			180.7	284.4	220.1		24	28	48	10	
Kiritimati (1921-2019)	416.6	Above normal	215.2	413.0	312.0	70/95	24	36	40	3	Consistent
Tarawa (1950-2019)	1516.5	Above normal	318.2	569.8	421.9	70/70	23	31	46	9	Consistent

TABLE 3: Seasonal Climate Outlooks using SCOPIC for August to October 2019**Predictor and Period used: NINO3.4 for May to June 2019**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS (%) [whole numbers]	Hit rate (%) [whole numbers]
Beru (1932-2019)	10	137.0	90		34	76
Butaritari (1931-2019)	19	564.0	81		21	75
Kanton (1937-2019)	24	134.0	76		20	71
Kiritimati (1921-2019)	32	45.0	68		6	62
Tarawa (1950-2019)	12	280.2	88		30	74

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)	LEPS (%) [whole numbers]	Hit rate (%) [whole numbers]
Beru (1932-2019)	7	113.0	16	205.0	77	24	55
Butaritari (1931-2019)	6	427.0	39	646.3	55	23	48
Kanton (1937-2019)	8	108.6	26	186.7	66	26	56
Kiritimati (1921-2019)	23	26.9	28	60.7	49	4	42
Tarawa (1950-2019)	3	202.3	26	425.0	71	35	61

TABLE 4: Seasonal Climate Outlooks using POAMA2 for August to October 2019

Station	Below Normal (prob)	33%ile Rainfall (mm)	Normal (prob)	67%ile Rainfall (mm)	Above Normal (prob)
Tarawa	67	261.0	28	651.0	5
Tabuaeran	33	68.0	62	199.0	5
Kiritimati	15	30.0	39	89.0	46
Kanton	33	52.0	52	165.0	15
Butaritari	85	415.0	10	681.0	5
Arorae	46	142.0	36	495.0	18

Summary Statements

Rainfall for June 2019:

All Kiribati stations recorded above normal rainfall for June.

Tarawa recorded its wettest June on record, Butaritari its second-wettest, and Beru its seventh-wettest June.

Accumulated rainfall for April to June 2019, including outlook verification:

Above normal rainfall recorded for all stations for the April to June period, with consistent outlook verification.

Beru, Butaritari and Tarawa had their wettest April-June on record.

Outlooks for August to October 2019:

1. SCOPIC:

The outlook for Beru, Butaritari, Kanton, and Tarawa favours above normal rainfall. The outlook shows above normal as the most likely outcome for Kiritimati, with normal as the next most likely. Below normal is the least likely.

Forecast skill is low at Kiritimati, high at Beru and Butaritari and very high at Kanton and Tarawa.

2. POAMA:

The outlook for Butaritari and Tarawa favours below normal rainfall.

The outlook favours normal rainfall for Tabuaeran and Kanton, while the outlook for Kiritimati shows above normal as the most likely, with normal the next most likely. Below normal is the least likely.

For Arorae, the outlook shows below normal as the most likely, with normal as the next most likely. Above normal is the least likely.

Very Low: $X < 0.0$

Low: $0 \leq X < 5$

Moderate $5 \leq X < 10$

Good: $10 \leq X < 15$

High: $15 \leq X < 25$

Very High: $25 \leq X < 35$ Exceptional: $X \geq 35$

Table: 5 Stakeholder Engagement- Evaluations of how effective NMS engage with stakeholders

Product	Date: June 2019	Stakeholder	Total Number of Participants	Number of male	Number of female
Climate Bulletin	14th June 2019	Government Sectors, Non-Government Organisations, Fisheries (coastal and offshore) Sector, General Public and internal staffs.	+104	+40	+60
EAR Watch	27-28/06/19	OB, KMS, Disaster, Climate Change, WSEU, PUB, EHU, ECD, KRC, TTM, Lands, Aviation, Marine Guard, BPA, Mineral, Commerce, COSPAC, IFRC	32	10	22
Media Release	14th June 2019	Media Collègues-Government and Non-Government entities. And Internal staffs.	42	27	15
Ocean Bulletin	14th June 2019	Government Sectors, Non-Government Organisations, Fisheries (coastal and offshore) Sector, General Public and internal staffs.	+104	+40	+60
Total			178	77	101